



# पनवेल महानगरपालिका

## ता. पनवेल जि.रायगड



कार्यालय- आयुक्त मुख्यालय, 2 रा मजला , देवाळे तलावाच्या समोर, गोखले  
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दिनांक- 07/07/2025

### जाहिर दरपत्रक सुचना

मा. आयुक्त, पनवेल महानगरपालिका खालील नमूद कामाचे अंदाजपत्रक बनविण्याकरीता खालील बाबींचे दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	कालावधी
1.	पनवेल महानगरपालिका हद्दीमध्ये विविध कामांचे अंदाजपत्रक तयार करण्याकरीता संबंधित Manufacturer/Dealer/Contractor कडून दरपत्रक मागविणे बाबत.	दिनांक-08/07/2025 ते दिनांक-15/07/2025 ( 8 दिवस)

### तपशिल

अ.क्र.	तपशिल	परिमाण	युनिट
1.	Supply, Installation, Testing and commissioning of 3 M Arm Single arm pole from the ground level, pole material shall be pre galvanized mild steel complied with BS 1139/ 1161 made up of ERW 'B' class pipes. The bottom pipe shall be of diameter 114.3mm & top pipe shall be 76.1mm in diameter with wall thickness of 3.5mm & 3.0mm respectively. The Base Plate size shall be 300 X 300mm with thickness of 12mm MS material duly PU painted. Decorative Cast Iron base of 700mm giving an aesthetic look to the pole. Embellishment shall be placed at the bottom & intersection of the 2 pipes & properly bolted to withstand distortion. The pole shall also be provided with a single straight arm bracket with 38mm diameter and a span of 850mm with a cast iron bracket of 600mm suitable for suspended fixture. The pole shall be properly cleaned, machine polished and coated with epoxy zinc rich penetrating etch primer and finished with polyurethane base paint for a long-lasting finish with 45-micron coat in required colour as approved of Premium make. The Pole shall be provided with a maintenance window of size 300mm length & 95mm width with Allen bolt locking arrangement. Loop in Loop out connector mounted on appropriate size Bakelite sheet with stud terminals along with 1no. 6A SP MCB to be provided with each pole. The Pole shall be packed with shrink wrapping along with bubble paper wrap for avoiding scratches during transportation & installation. The Poles shall be	1	Each

	supplied with foundation bolts M16 X 600mm made up of mild steel and threaded portion to be hot dip galvanized along with 2 nuts & 1 vicer per bolt. Factory test reports along with PDI & test certificates of galvanization & material TC to be attached along with the supply. The Pole shall withstand the wind speed of 75KMPH as per IS 875. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.		
2.	Supply, Installation, Testing and commissioning of 4 M Arm Single arm pole from the ground level, pole material shall be pre galvanized mild steel complied with BS 1139/ 1161 made up of ERW 'B' class pipes. The bottom pipe shall be of diameter 114.3mm & top pipe shall be 76.1mm in diameter with wall thickness of 3.5mm & 3.0mm respectively. The Base Plate size shall be 300 X 300mm with thickness of 12mm MS material duly PU painted. Decorative Cast Iron base of 700mm giving an aesthetic look to the pole. Embellishment shall be placed at the bottom & intersection of the 2 pipes & properly bolted to withstand distortion. The pole shall also be provided with a single straight arm bracket with 38mm diameter and a span of 850mm with a cast iron bracket of 600mm suitable for suspended fixture. The pole shall be properly cleaned, machine polished and coated with epoxy zinc rich penetrating etch primer and finished with polyurethane base paint for a long-lasting finish with 45-micron coat in required colour as approved of Premium make. The Pole shall be provided with a maintenance window of size 300mm length & 95mm width with Allen bolt locking arrangement. Loop in Loop out connector mounted on appropriate size Bakelite sheet with stud terminals along with 1no. 6A SP MCB to be provided with each pole. The Pole shall be packed with shrink wrapping along with bubble paper wrap for avoiding scratches during transportation & installation. The Poles shall be supplied with foundation bolts M16 X 600mm made up of mild steel and threaded portion to be hot dip galvanized along with 2 nuts & 1 vicer per bolt. Factory test reports along with PDI & test certificates of galvanization & material TC to be attached along with the supply. The Pole shall withstand the wind speed of 75KMPH as per IS 875. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
3.	Supply, Installation, Testing and commissioning of 3 M Arm Double arm pole from the ground level, pole material shall be pre galvanized mild steel complied with BS 1139/ 1161 made up of ERW 'B' class pipes. The bottom pipe shall be of diameter 114.3mm & top pipe shall be 76.1mm in diameter with wall thickness of 3.5mm & 3.0mm respectively. The Base Plate size shall be 300 X 300mm with thickness of 12mm MS material duly PU painted. Decorative Cast Iron base of 700mm giving an aesthetic look to the pole. Embellishment shall be placed at the bottom & intersection of the 2 pipes & properly bolted to withstand distortion. The pole shall also be provided with a dual straight arm bracket with 38mm diameter and a span of 850mm with a cast iron bracket of 600mm suitable for suspended fixture. The pole shall be properly cleaned, machine polished and coated with epoxy zinc rich penetrating etch primer and finished with polyurethane base paint for a long-lasting finish with 45-micron coat in required colour as approved of Premium make. The Pole shall be provided with a maintenance window of size 300mm length & 95mm width with Allen bolt locking arrangement. Loop in Loop out connector mounted on	1	Each

	appropriate size Bakelite sheet with stud terminals along with 1no. 6A SP MCB (Siemens make) to be provided with each pole. The Pole shall be packed with shrink wrapping along with bubble paper wrap for avoiding scratches during transportation & installation. The Poles shall be supplied with foundation bolts M16 X 600mm made up of mild steel and threaded portion to be hot dip galvanized along with 2 nuts & 1 vicer per bolt. Factory test reports along with PDI & test certificates of galvanization & material TC to be attached along with the supply. The Pole shall withstand the wind speed of 75KMPH as per IS 875. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.		
4.	Supply, Installation, Testing and commissioning of 4 M Arm Double arm pole from the ground level, pole material shall be pre galvanized mild steel complied with BS 1139/ 1161 made up of ERW 'B' class pipes. The bottom pipe shall be of diameter 114.3mm & top pipe shall be 76.1mm in diameter with wall thickness of 3.5mm & 3.0mm respectively. The Base Plate size shall be 300 X 300mm with thickness of 12mm MS material duly PU painted. Decorative Cast Iron base of 700mm giving an aesthetic look to the pole. Embellishment shall be placed at the bottom & intersection of the 2 pipes & properly bolted to withstand distortion. The pole shall also be provided with a dual straight arm bracket with 38mm diameter and a span of 850mm with a cast iron bracket of 600mm suitable for suspended fixture. The pole shall be properly cleaned, machine polished and coated with epoxy zinc rich penetrating etch primer and finished with polyurethane base paint for a long-lasting finish with 45-micron coat in required colour as approved of Premium make. The Pole shall be provided with a maintenance window of size 300mm length & 95mm width with Allen bolt locking arrangement. Loop in Loop out connector mounted on appropriate size Bakelite sheet with stud terminals along with 1no. 6A SP MCB to be provided with each pole. The Pole shall be packed with shrink wrapping along with bubble paper wrap for avoiding scratches during transportation & installation. The Poles shall be supplied with foundation bolts M16 X 600mm made up of mild steel and threaded portion to be hot dip galvanized along with 2 nuts & 1 vicer per bolt. Factory test reports along with PDI & test certificates of galvanization & material TC to be attached along with the supply. The Pole shall withstand the wind speed of 75KMPH as per IS 875. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
5.	Supply of 40W decorative luminaire made of spun aluminum body with pressure die-cast heat management (PDCHM) and the IP65 optical compartment with high power LED/s is comprised of a deep drawn chemically polished and co-extruded, thermoformed polycarbonate protector stabilized agent UV rays suitable for 40W LED. Fitting should be suspended mounting type fixture. System Wattage:40W LED, Protection class: IP65, Driver Integral: Constant Current, Input Voltage: 230-240 Vac, Frequency: 50-60Hz, Operating Voltage:1200- 277Vac, Operating Temperature: 0deg to +50deg C, single phase ac. supply. light Source: Bridgelux, LED Lumens: @120lm/w, 4800lm, CRI(Ra):>80, LED Color Temperature: 3000K to 6000k Life Span:>59,000 Hours, Physical Body: Die cast Aluminum Base, Body Spun Aluminum, Diffuser: Convex Type Translucent / V Translucent, mounting: Suitable for 50mm OD Pipe, Finish: Powder Coated Black, Driver Power	1	Each

	Factor:>0.95, THD:<7.8%, Surge Protection:4KV, Efficiency:>87%. Fitting should have inbuilt driver with efficiency >0.9 and having surge protection device of 4KVA and external surge protection device of 10KVA of Philips make. LED's of Bridgelux & driver to be of make Philips. IP65 and LM79-2019 report to be provided.		
6.	Supply of 50W decorative luminaire made of spun aluminium body with pressure die-cast heat management (PDCHM) and the IP65 optical compartment with high power LED/s is comprised of a deep drawn chemically polished and co-extruded, thermoformed polycarbonate protector stabilized agent UV rays suitable for 50W LED. Fitting should be suspended mounting type fixture. System Wattage:50W LED, Protection class: IP65, Driver Integral: Constant Current, Input Voltage: 230-240 Vac, Frequency: 50-60Hz, Operating Voltage:1200-277Vac, Operating Temperature: 0deg to +50deg C, single phase ac supply. light Source: Bridgelux, LED Lumens:5500lm, CRI(Ra):>80, LED Colour Temperature: 3000K to 6000k Life Span:>59,000 Hours, Physical Body: Die cast Aluminium Base, Body Spun Aluminium, Diffuser: Convex Type Translucent / V Translucent, mounting: Suitable for 50mm OD Pipe, Finish: Powder Coated Black, Driver Power Factor:>0.95, THD:<7.8%, Surge Protection:4KV, Efficiency:>87%. Fitting should have inbuilt driver with efficiency >0.9 and having surge protection device of 4KVA and external surge protection device of 10KVA. LED's of Bridgelux& driver to be of make Philips. IP66 and LM79-2019 report to be provided.	1	Each
7.	Supply, Installation, Testing and commissioning of 9mtr double arm Polar pole made of square mild steel pipe of two section (grade YST 210) Bottom section 150mm Square x 3mm thick with 2970mm Height & Top section 100mm Square x 2.9mm thick with 5689mm Height. Cast Aluminium cone (174mm width x 105mm Height) covered on the both section joint area of the pole. Pole section welded by certified welders using high end MIG welding processes. PDC aluminium service door 330mm height x 75mm width shall be provided with the company logo embossed on the bottom of the door & vandal resistant Loss proof Screw. The control gear tray is prewired with 2.5 Sq.mm cable, 6A SP MCB and 32A Ramanuj stud type 4-way terminal block for loop-in / loop-out arrangement, 5A 2 Way terminal connector and provision for earthing. Any other internal cables and connections shall not be covered in the scope of supply. Mild steel mounting plate 300mm Square x 16mm thick Steel of grade E250 to IS 2062: 2011 with 4 elongated holes 48 x 24 to suit M20 x 500mm bolts of grade 4.6 at CC 215. The base plate have a cable entry hole as per the base pipe size. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. All dimension are within +/- 5% tolerance. After fabrication entire pole is shot blasted (Inhouse). The pole is coated with zinc rich primer & pure polyester powder coating or epoxy zinc phosphate primer and finished using environmentally stable polyurethane-based paint (coating thickness 60-80 microns). The Pole shall be provided with Graphite grey / Anthracite grey / Black as standard colour options. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
8.	Supply, Installation, Testing and commissioning of Pole top luminaire. 240W LED with 4 nos of 60W LED module, Type III(Asymmetrical light distribution). Luminaire made of MS pipe	1	Each

	100mm square x 2.9mm thick having 1800mm arm length with 220mm height. Polycarbonate optical lens. suitable for mounting 91mm square pipe. All external screws are made of stainless steel. Protection class IP65. Mechanical resistance IK09. Pure polyester powder coated RAL 9004 Black, RAL 9007 Grey aluminium and RAL 7016 Anthracite grey, Graphite grey. Available colour temperature 2700K / 3000K / 4000K / 5700K, Colour rendering index (CRI)>80. K-Lite LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Driver efficiency >85%, Power factor >0.95, THD		
9.	Supply, Installation, Testing and commissioning of 9 mtr Polar pole made of square mild steel pipe of two section (grade YST 210) Bottom section 150mm Square x 3mm thick with 2970mm Height & Top section 100mm Square x 2.9mm thick with 5689mm Height. Cast Aluminum cone (174mm width x 105mm Height) covered on the both section joint area of the pole. Asymmetrical arm mounted on the 100mm Square pole on opposite side at an height of 7000mm from bottom of the base plate. Pole section welded by certified welders using high end MIG welding processes. PDC aluminum service door 330mm height x 75mm width shall be provided with the company logo embossed on the bottom of the door & vandal resistant Loss proof screw. The control gear tray is prewired with 2.5 Sq.mm cable, 6A SP MCB and 32A Ramanuj stud type 4-way terminal block for loop-in / loop-out arrangement, 5A 2 Way terminal connector and provision for earthing. Any other internal cables and connections shall not be covered in the scope of supply. Mild steel mounting plate 300mm Square x 16mm thick Steel of grade E250 to IS 2062: 2011 with 4 elongated holes 48 x 24 to suit M20 x 500mm bolts of grade 4.6 at CC 215. The base plate have a Cable Entry hole as per the base pipe size. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. All dimension are within +/- 5% tolerance. After fabrication entire pole is shot blasted (Inhouse). The pole is coated with zinc rich primer & pure polyester powder coating or epoxy zinc phosphate primer and finished using environmentally stable polyurethane-based paint (coating thickness 60-80 microns). The Pole shall be provided with Graphite grey / Anthracite grey / Black as standard colour options. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
10.	Supply, Installation, Testing and commissioning of Pole top luminaire 120W LED with 2 nos of 60W LED module. Type III(Asymmetrical light distribution). MS pipe 100mm square x 2.9mm thick having 900mm arm length with 220mm height. Polycarbonate optical lens. Suitable for mounting 91mm square pipe. All external screws are made of stainless steel. Protection class IP65. Mechanical resistance IK09. Pure polyester powder coated RAL 9004 Black, RAL 9007 Grey aluminium and RAL 7016 Anthracite grey. Graphite grey. Available colour temperature 2700K / 3000K / 4000K / 5700K, Colour rendering index (CRI)>80. K-Lite LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Driver efficiency >85%, Power factor >0.95, THD	1	Each

11.	Supply, Installation, Testing and commissioning of Pole top side mounting luminaire 60W LED Module. Type III (Asymmetrical light distribution). MS pipe 100mm square x 2.9mm thick having 700mm arm length. Asymmetrical arm mounted on the 100mm Square pole on opposite side. Polycarbonate optical lens. All external screws are made of stainless steel. Protection class IP65. Mechanical resistance IK09. Pure polyester powder coated RAL 9004 Black, RAL 9007 Grey aluminium and RAL 7016 Anthracite grey. Graphite grey. Available colour temperature 2700K / 3000K / 4000K / 5700K, Colour rendering index (CRI)>80. K-Lite LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Driver efficiency >85%, Power factor >0.95, THD.	1	Each
12.	Supply Installation Testing commissioning of 3 Mtr Decorative post top Mild roll steel leaser cut designer pole 150 mm x 150 mm 3 mm thick ness Base Plate 300x300x12 mm Inbuilt Junction box, backlight sheet, 4-way connector, Pu Pain MS POLE, powder coated black/grey 30w inbuilt light for design light distributions Voltage 140 to 270 AC, Input Frequency 50 Hz, System Current in Amp. @240V AC Power, Factor $\geq 0.9$ , THD <10%, Built-in Surge protection 4 kV & External Surge protection 10kV. Ingress Protection IP65 complete pole with fitting. The control gear tray is prewired with 2.5 Sq.mm cable, 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Any other internal cables and connections shall not be covered in the scope of supply. Protection class IP65. Pure polyester powder coated graphite grey / anthracite grey / jet black. Available colour temperature 3000K / 4000K. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
13.	Supplying & Erecting of Architectural Pole of 9mtr Height Double arm made of galvanized iron sections of 140mm, 88.9mm & 76mm dia. •This architecturally designed pole is structurally sound. Wind speed considered in design 50m/s, IS 875: PART - 3 :1987 •Material for tubes steel of grade YST 210. • Material for base plate steel of grade E250 to IS 2062; 2011. The Bracket will be provided with reducer/expander for holding the suspended type fixture on to the main pole with all arrangements having position perpendicular to the ground. The bracket shall be double arm on 9 mtr with a span of 1000mm. Each bracket section shall have SGCI design in the middle with flower design. The bracket top shall be covered with FRP top. The Pole will be placed with a Aluminium embellishments on the bottom & Middle section for aesthetic & Decorative purpose. The pole will be provided with an inbuilt junction box to fix 32Amp Connectors & 6Amp MCB inside the cut window of the bottom pipe the in-built box should have a flush door of suitable size. The Decorative pole will be mounted on a square base plate of size 300 X 300mm having 12mm thickness. The mounting steel plate along with hot dip galvanized foundation bolts of size M20 X 750mm to be used for ensuring firm grouting in the specially designed RCC foundation. The Galvanised pole should be painted in 3-layer coating (Coating thickness should be more than 50 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy zinc primer & 3rd final layer with PU Paint of Matt Black on Pole and Golden on Aluminium Embellishment. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each

14.	<p>Supplying &amp; Erecting of Architectural Pole of 9mtr Height Single arm made of galvanised iron sections of 140mm, 88.9mm &amp; 76mm dia. •This architecturally designed pole is structurally sound. Wind speed considered in design 50m/s, IS 875: PART - 3 :1987 •Material for tubes steel of grade YST 210. • Material for base plate steel of grade E250 to IS 2062; 2011. The Bracket will be provided with reducer/expander for holding the suspended type fixture on to the main pole with all arrangements having position perpendicular to the ground. The bracket shall be double arm on 9 mtr with a span of 1000mm. Each bracket section shall have SGCI design in the middle with flower design. The bracket top shall be covered with FRP top. The Pole will be placed with a Aluminium embellishments on the bottom &amp; Middle section for aesthetic &amp; Decorative purpose. The pole will be provided with an inbuilt junction box to fix 32Amp Connectors &amp; 6Amp MCB inside the cut window of the bottom pipe the in-built box should have a flush door of suitable size. The Decorative pole will be mounted on a square base plate of size 300 X 300mm having 12mm thickness. The mounting steel plate along with hot dip galvanised foundation bolts of size M20 X 750mm to be used for ensuring firm grouting in the specially designed RCC foundation. The Galvanised pole should be painted in 3-layer coating (Coating thickness should be more than 50 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy zinc primer &amp; 3rd final layer with PU Paint of Matt Black on Pole and Golden on Aluminium Embellishment. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.</p>	1	Each
15.	<p>Supplying &amp; Erecting of 150W decorative luminaire made of spun aluminium body with pressure die-cast heat management (PDCHM) and the IP65 optical compartment with high power LED/s is comprised of a deep drawn chemically polished and co-extruded, thermoformed polycarbonate protector stabilized agent UV rays suitable for 150W LED. Fitting should be suspended mounting type fixture. System Wattage:150W LED, Protection class: IP65, Driver Integral: Constant Current, Input Voltage: 230-240 Vac, Frequency: 50-60Hz, Operating Voltage:1200- 277Vac, Operating Temperature: 0deg to +50deg C, single phase ac supply. light Source: Bridgelux, LED Lumens:16500lm, CRI(Ra):&gt;80, LED Colour Temperature: 3000K, Life Span:&gt;59,000 Hours, Physical Body: Die cast Aluminium Base, Body Spun Aluminium, Diffuser: Convex Type Translucent / V Translucent Polycarbonate glass, mounting: Suitable for 48mm OD Pipe, Finish: Powder Coated Black, Driver Power Factor:&gt;0.95, THD:&lt;7.8%, Surge Protection: 4KV, Efficiency:&gt;87%. Fitting should have inbuilt driver with efficiency &gt;0.9 and having surge protection device of 4KVA and external surge protection device of 10KVA. LED's of Bridgelux &amp; driver to be of make Philips. IP65 and LM79-2019 report to be provided. Light Output Colour Should be Warm White/White/ Natural White as Directed by Engineer In charge.</p>	1	Each
16.	<p>Supply Installation testing commissioning of 5 mt decorative TRISHUL Pole. Decorative Pole having Cast Iron bottom of around 700mm with bottom dia 388 mm, and M.S. pipe 90mm dia center</p>	1	Each

	and 60mm dia at top with C.I. Embellishments. Pole is provided with single Arm bracket along with decorative embellishments as per drawing. Complete Pole and bracket is Primer coated and painted with polyurethane paint. Material: MS Castes base with Mild Steel Pipe. A service window is provided in the bottom portion of the pole comprising heavy duty 4way connector & suitable rating MCB on a Bakelite sheet. The pole is suitable for mounting with 4 nos. Anchor bolts & complete with wiring of Pole with 3 corex2.5sq mm FR PVC insulated copper wire. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.		
17.	Supply Installation testing commissioning of 5 mt decorative MACE Pole. Decorative Pole having Cast Iron bottom of around 700mm with bottom dia 388 mm. and M.S. pipe 90mm dia center and 60mm dia at top with C.I. Embellishments. Pole is provided with single Arm bracket along with decorative embellishments as per drawing. Complete Pole and bracket is Primer coated and painted with polyurethane paint. Material: MS Castes base with Mild Steel Pipe. A service window is provided in the bottom portion of the pole comprising heavy duty 4way connector & suitable rating MCB on a Bakelite sheet. The pole is suitable for mounting with 4 nos. Anchor bolts & complete with wiring of Pole with 3 corex2.5sq mm FR PVC insulated copper wire. Pole Design will be finalized as per site condition as per Directives by Engineer In charge.	1	Each
18.	Supply, Installation, Testing, and Commissioning (SITC) of RGBW LED Pixel Dot lights designed for dynamic architectural lighting applications. Each pixel is capable of producing Red, Green, Blue, and White colors, offering a wide range of vibrant and customizable lighting effects. The fixture has an ingress protection rating of IP65, ensuring excellent resistance to dust and water, making it suitable for outdoor environments. Each pixel consumes 1.44 watts of power and is housed in a transparent polycarbonate (PC) casing with a milk white diffuser, providing uniform light distribution and aesthetic appeal. It is compatible with DC input voltages of 5V, 12V, or 24V and utilizes a 4-channel configuration for RGBW output, enabling advanced color mixing and brightness control. The pixel dots are engineered to function efficiently in a wide temperature range from -20°C to +85°C, ensuring reliable performance under varying environmental conditions. Additionally, the system features an automatic address coding function, streamlining installation and reducing setup time including accessories for installing the lights as per the final drawing/site condition consisting of clamps, brackets, angles, conduits, joints, hardware's like fasteners, nut & bolts etc.,	1	Each
19.	Supply, Installation, Testing, and Commissioning (SITC) of high-quality LED Underwater Lights designed specifically for submerged lighting applications, offering both durability and performance in demanding aquatic environments. Each fixture operates at a power rating of 12 Watts and features RGB (Red, Green, Blue) color output, allowing for dynamic color-changing effects suitable for fountains, pools, and other water features. The luminaire is rated IP68, ensuring complete protection against dust ingress and long-term submersion in water, making it ideal for continuous underwater operation. The optical system offers a range of beam angles, including 10°, 30°, 45°, 60°, and 90°, providing flexibility in light distribution to suit various design and coverage requirements, while the precision-engineered optics are designed to minimize hot spots and ensure uniform light output. The fixture body is made of	1	Each



	robust Stainless steel for enhanced strength and corrosion resistance, providing both aesthetic appeal and functional durability. The system operates on a DC 24V input supply and is provided without a DC driver, allowing for integration with compatible external power solutions as per the site's electrical layout and control system including accessories for installing the lights as per the final drawing/site condition consisting of clamps, brackets, angles, conduits, joints, hardware's like fasteners, nut & bolts etc.,		
20.	Supply, Installation, Testing, and Commissioning (SITC) of high-performance Comet Nozzles, engineered with an integrated pivoting ball joint mechanism that allows for precise angular adjustment of the water jet up to 15 degrees from the vertical axis. These nozzles are ideally suited for use in small ponds, water basins, and decorative water features where either a single concentrated jet or multiple coordinated jets can be employed to achieve visually captivating water displays. While a single nozzle can produce a clean, defined stream of water, they are most commonly installed in groups to create dynamic and aesthetically pleasing water patterns, especially when configured in ensembles that take advantage of the pivoting function. Each nozzle's ball joint enables flexible directional control, allowing designers to craft intricate and synchronized effects that enhance the visual impact of fountains and aquatic installations. The Comet Nozzles are constructed using high-quality brass or stainless steel, ensuring long-lasting durability, resistance to corrosion, and performance in both indoor and outdoor water feature environments.	1	Each
21.	Supply, Installation, Testing, and Commissioning (SITC) of high-quality Pressure Valve – 2-piece type, specifically designed for use with Comet Nozzles in water feature systems. This valve plays a critical role in regulating and maintaining consistent water pressure to ensure uniform height and stability of the water jets emitted by the nozzles. By precisely controlling the flow and pressure, the valve helps to achieve the desired visual effect across multiple nozzles, especially when installed in group arrangements where synchronized water height is essential for aesthetic consistency. The robust two-piece construction ensures ease of maintenance, durability, and reliable operation under varying hydraulic conditions, making it suitable for continuous use in fountains, ponds, and architectural water displays.	1	Each
22.	Supply, Installation, Testing, and Commissioning (SITC) of precision-engineered threaded pipe, specifically intended for securely connecting Comet Nozzles to the water supply system in fountain and water feature installations. The threaded pipe ensures a leak-proof and stable connection, providing the necessary mechanical support and hydraulic continuity required for optimal performance of the nozzles. Manufactured with high-quality materials suitable for prolonged exposure to water and outdoor conditions, the pipe facilitates easy installation and alignment, ensuring that each Comet Nozzle is correctly positioned for consistent and visually appealing water displays. The threaded connection allows for simple maintenance and replacement, contributing to the long-term efficiency and reliability of the fountain system.	1	Each
23.	Supply, Installation, Testing, and Commissioning (SITC) of a high-performance fountain pump system – Type :Centre Discharge,	1	Set

	<p>Power Rating: 5HP/3.7KW, Voltage:415V, 3-Phase, 50 HZ AC, Discharge Capacity: 1300-1500LPM, Head:5mtr, Outlet Size: 100, Impeller: Nitride Hardened 410SS or equivalent, Motor Type: Two-pole squirrel cage induction (DOL start), Insulation Class: Class-H (180°C), Solid Handling Capacity: 6 mm or more, complete with all necessary plumbing components and fittings to ensure seamless integration within the water feature setup. The pump is designed to provide reliable and efficient water flow, with individual control mechanisms that allow precise adjustment of both the water speed and the height of the water jets, enabling customized and dynamic water displays. This level of control ensures that the fountain can be tailored to suit varying aesthetic and functional requirements, from gentle ripples to dramatic high sprays. The plumbing system is engineered to withstand continuous operation, with durable materials that resist corrosion and wear, ensuring long-term performance and minimal maintenance. The entire assembly is installed and tested to guarantee optimal hydraulic performance, operational safety, and ease of use in both indoor and outdoor fountain applications.</p>		
24.	<p>Supply, Installation, Testing, and Commissioning (SITC) of a high-quality DC power driver specifically designed to power the above-mentioned LED lights with a rated output power of 200 Watts. This driver accepts a wide input voltage range from 110 to 240 Volts AC at 50 Hertz, making it compatible with standard electrical supplies globally. It provides a stable and efficient DC output voltage selectable at 12 or 24 Volts, ensuring optimal and safe operation of connected LED fixtures. The unit features an IP67 protection rating, offering complete dust tightness and water immersion resistance up to a specified depth, which makes it suitable for both indoor and outdoor installations under harsh environmental conditions. Additionally, the power driver is equipped with advanced surge protection capabilities, rated at 4KV line-to-line (LL) and 6KV line-to-earth (LE), safeguarding the connected lighting system against transient voltage spikes and electrical surges, thus enhancing the longevity and reliability of the entire lighting installation. The driver is supplied and installed with full testing and commissioning to ensure seamless integration with the lighting system and trouble-free performance including accessories for installing as per the final drawing/site condition consisting of clamps, brackets, angles, conduits, joints, hardware's like fasteners, nut &amp; bolts etc.,</p>	1	Each
25.	<p>Supply, Installation, Testing, and Commissioning (SITC) of a high-quality DMX decoder designed to interface seamlessly with DMX512 lighting control systems, enabling precise and dynamic control of LED fixtures and other compatible devices. The decoder operates on a stable DC 24V power input, ensuring efficient and reliable performance across various lighting applications. It is engineered to convert DMX control signals into output signals suitable for RGB, RGBW, or other LED configurations, allowing for smooth dimming, color mixing, and customizable lighting effects. The device is built with robust components to ensure durability and consistent operation in both indoor and outdoor environments, and it supports easy integration within complex lighting networks. Complete supply, installation, and commissioning services are provided to guarantee optimal functionality and compatibility with existing lighting control infrastructure including accessories for installing as per the final drawing/site condition consisting of</p>	1	Each

	clamps, brackets, angles, conduits, joints, hardware's like fasteners, nut & bolts etc.,		
26.	SITC of 5 pin T connector for Pixel lighting	1	Set
27.	SITC of 5 pin I connector for Pixel lighting	1	Set
28.	Supply, Installation, Testing, and Commissioning (SITC) of a high-performance Master Controller DVI, designed to operate seamlessly with a computer through an online connection. This controller is fully compatible with advanced pixel editing software, enabling real-time programming, customization, and control of complex LED pixel lighting systems. It supports high-resolution digital video interface (DVI) signals, allowing precise synchronization of lighting effects with video content or other multimedia sources. The Master Controller facilitates easy integration into larger lighting networks, providing flexible control over individual pixels or groups of pixels to create dynamic visual displays. Complete supply, installation, and commissioning services are included to ensure the controller operates flawlessly within the user's system and software environment.	1	Each
29.	Supply, Installation, Testing, and Commissioning (SITC) of a versatile Slave Controller compatible with both DMX 512 and SPI control protocols, designed to work seamlessly as part of advanced lighting control systems. The controller operates at a low power consumption of 5 Watts and accepts a wide AC input voltage range from 110 to 240 Volts at 50 Hertz, ensuring compatibility with standard electrical supplies worldwide. Engineered to function reliably within a broad temperature range of -30°C to +65°C, this controller is suitable for use in diverse indoor and outdoor environments, maintaining stable performance under varying climatic conditions. The unit facilitates smooth and synchronized control of LED fixtures, enabling complex lighting effects and coordinated displays when used in conjunction with master controllers and other system components. Full supply, installation, testing, and commissioning services are provided to guarantee seamless integration and optimal operation within the lighting network.	1	Each
30.	SITC of PVC insulated multi core electrical un armored flexible 5C x 0.5Sq mm power cable having less electrical losses.	1	Rmt.
31.	SITC of RJ45 comprises twisted pairs with shield support for carrying of data. RJ45 cabling is also known as twisted-pair Ethernet (TPE), unshielded twisted pair (UTP), and 10BASE-T cabling.	1	Each
32.	SITC of IP65 "I" power connectors having 3/4 pole cable connector, chuck type strain relief, Current rating 20 A rms continuous, Easy and extremely precise locking system "Quick Lock" High impact materials - long-lasting and reliable	1	Each
33.	SITC of IP65 "I" DMX connectors having 3/5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	1	Each
34.	Supply, Installation, Testing, and Commissioning (SITC) of a robust Fountain Control Cabinet, which includes the primary electrical circuitry as well as all necessary secondary circuit appliances required for comprehensive system operation. This cabinet is designed to provide complete control over all motors and pumps associated with the fountain system, incorporating essential hardware components for secure	1	Set

	mounting and installation of the cabinet in its designated location. The control cabinet supports a wide range of operating voltages from DC 24V up to AC 415V, ensuring compatibility with various electrical setups and allowing flexible integration into diverse fountain installations. The system is engineered to provide safe, reliable, and efficient control of fountain operations, including start/stop functions, speed regulation, and synchronized performance of multiple pumps and motors. Full supply, installation, and commissioning services ensure the cabinet functions optimally within the overall water feature infrastructure.		
35.	Supply, Installation, Testing, and Commissioning (SITC) of a 3.2 kW Variable Frequency Drive (VFD), designed to provide precise control of motor speed and torque in various industrial and mechanical applications. The VFD enables smooth acceleration and deceleration of the connected motor, improving energy efficiency and extending equipment lifespan. The installation includes all necessary wiring using high-quality 2.5 sq. mm electrical cables to ensure safe and reliable electrical connections between the VFD and the motor, as well as the power supply. The wiring is carefully routed and secured according to industry standards and safety regulations, minimizing electrical losses and interference. The complete system is tested and commissioned to guarantee optimal performance, seamless integration with existing controls, and compliance with electrical safety standards.	1	Each
36.	Supply, Installation, Testing, and Commissioning (SITC) of a DMX-compatible Variable Frequency Drive (VFD) Controller designed specifically to interface seamlessly with a 3.2 kW Variable Frequency Drive. This controller enables precise and dynamic control of motor speed and operation through the DMX512 lighting control protocol, allowing synchronization of motor-driven devices such as pumps or fountains with lighting effects for coordinated audiovisual displays. The compact design of the controller facilitates easy integration within existing control panels or systems, while maintaining robust communication and reliable performance. The system supports smooth modulation of motor speed, ensuring energy efficiency and enhanced operational flexibility. Complete supply, installation, wiring, testing, and commissioning services are provided to ensure optimal compatibility and flawless operation within the overall electrical and lighting control infrastructure.	1	Each
37.	SITC of 5 pin XLR Male connectors having 5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	1	Each
38.	SITC of 5 pin XLR Female connectors having 5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	1	Each
39.	SITC of 5 core DMX cable comprises twisted pairs with shield support for carrying of data. DMX512 cable is used for connecting all light consoles that use DMX 512 standard data transmission. (As per actuals depending upon the site condition)	1	Each
40.	SITC of Power Distribution Board made up of MS Sheet metal fabricated housing black powder coated and ivory connectors for the internal terminations and external outgoing connecting points, fibre / brass glands of suitable size fitted MCB control for outgoing circuits. Timer with required contactor for auto switching. Power panel suitable for indoor/outdoor applicable and floor mount / wall mount options. - 9 Nos of 6/10A SP Outgoing MCB's. - 1No of 16A TPN Incoming MCB.	1	Each
41.	SITC of IP driver box made up of PVC / UPVC for the internal terminations and external outgoing connecting points, with required PVC / brass glands, Optional suitable size MCB fitted for control outgoing circuits.	1	Each

42.	SITC of DMX isolator or splitter provides Isolated optical DMX splitter provides 8 outputs from a 1 input and Input voltage: AC 110 to 220 V, 50 Hz, Product features: Group 1 & group 8, DMX signal change.	1	Each
43.	Supply, Installation, Testing, and Commissioning (SITC) of a specially designed floating module system engineered to support and float the entire assembly of fountain fixtures, ensuring stable and secure buoyancy on water surfaces. The floating bed is constructed using high-quality stainless steel (SS) or aluminium structural materials, chosen for their excellent corrosion resistance, durability, and strength, making them ideal for prolonged exposure to aquatic environments. This robust floating structure is precisely fabricated to accommodate the weight and configuration of all fountain fixtures, providing reliable support while maintaining the system's balance and stability. The module is designed to facilitate easy installation, adjustment, and maintenance of the fountain components while ensuring safe and efficient operation. Complete supply, installation, and commissioning services are included to guarantee the floating system's seamless integration with the overall fountain infrastructure.	1	Each
44.	SITC of Programming charges for fountain	1	Job

**अटी व शर्ती :-**

1. सीलबंद दरपत्रके दिनांक-08/07/2025 ते दि. 15/07/2025 रोजीपर्यंत दुपारी 3.00 वाजेपर्यंत पनवेल महानगरपालिकेच्या विद्युत विभागात किंवा [pmcelectrical123@gmail.com](mailto:pmcelectrical123@gmail.com) या ई-मेलवर स्वीकारण्यात येतील.
2. सदरचे दरपत्रक हे अंदाजपत्रक बनविण्यासाठी असून सदर कामांवर Manufacturer / Dealer / Contractor चा दावा (Claim) असणार नाही.
3. Manufacturer/Dealer/Contractor ने दिलेले दरपत्रक स्विकारणाचे सर्व अधिकार पनवेल महानगरपालिकेकडे असतील याची नोंद घ्यावी.

Signed by Sanjay Baraka  
Katekar  
Date: 04-07-2025 23:26:32

शहर अभियंता  
पनवेल महानगरपालिका

**प्रत माहितीस्तव :-**

1. माहिती फलककरीता

Handwritten marks and symbols in the top right corner.

Handwritten mark resembling a stylized 'A' or '4'.

Small handwritten mark or symbol.

Handwritten mark resembling a stylized 'L' or '7'.

Handwritten mark resembling a stylized '1' or 'I'.

Small handwritten mark or symbol.

Small handwritten mark or symbol at the bottom center.